Just ( best < int > quories) - o(0) × o(171)

Jun ( i = 0 -> quories . size)

Stret = qet Perme Fort (quories ?is);

prout (best);

3

~ Naive approach

An optimal solution would be storing the smallest prime factors(SPF) for numbers till max (query).

The robe SPF is similar to calculating is prime but here we replace all multiples of i (prime number) with it assuming number and order do not match.

Once, we have pre-computed SPF array we divide each query by it's SPF and add it to list of its sorted prime factors.